

Rappahannock Basin: SWCB-Approved Nutrient Waste Load Allocations (9 VAC 25-720-70-C.)					Total Nitrogen Waste Load Allocation		Total Phosphorus Waste Load Allocation	
Facility	VPDES Permit No.	County or City Location	River Basin	Design Flow (MGD)	Total Nitrogen Concentration (mg/l)	Discharged TN Waste Load Alloc. (lbs/yr)	Total Phosphorus Concentration (mg/l)	Discharged TP Waste Load Alloc. (lbs/yr)
Culpeper WWTP (1)	VA0061590	Culpeper	Rappahannock	4.50	4.00	54,820	0.30	4,112
Marshall WWTP	VA0031763	Fauquier	Rappahannock	0.64	4.00	7,797	0.30	585
Mountain Run WWTP (2)	VA0090212	Culpeper	Rappahannock	2.50	4.00	30,456	0.30	2,284
Orange STP	VA0021385	Orange	Rappahannock	3.00	4.00	36,547	0.30	2,741
Rapidan STP	VA0090948	Greene	Rappahannock	0.60	4.00	7,309	0.30	548
FCW&SA-Remington WWTP (3)	VA0076805	Fauquier	Rappahannock	2.50	4.00	30,456	0.30	2,284
Clevengers Corner STP (4)	VA0080527	Culpeper	Rappahannock	0.90	4.00	10,964	0.30	822
Warrenton STP	VA0021172	Fauquier	Rappahannock	2.50	4.00	30,456	0.30	2,284
Wilderness Shores WWTP	VA0083411	Orange	Rappahannock	1.25	4.00	15,228	0.30	1,142
Spotsylvania Co.-FMC WWTF	VA0068110	Spotsylvania	Rappahannock	5.40	4.00	65,784	0.30	4,934
Fredericksburg WWTF	VA0025127	Fredericksburg	Rappahannock	3.50	4.00	42,638	0.30	3,198
Haymount WWTF (5)	VA0089125	Caroline	Rappahannock	0.96	4.00	11,695	0.30	877
Haynesville Correctional Ctr. WWTP	VA0023469	Richmond	Rappahannock	0.23	4.00	2,802	0.30	210
Hopyard Farms WWTF	VA0089338	King George	Rappahannock	0.50	4.00	6,091	0.30	457
Stafford Co.-Little Falls Run WWTF	VA0076392	Stafford	Rappahannock	8.00	4.00	97,458	0.30	7,309
Spotsylvania Co.-Massaponax WWTF	VA0025658	Spotsylvania	Rappahannock	8.00	4.00	97,458	0.30	7,309
Montross-Westmoreland WWTP	VA0072729	Westmoreland	Rappahannock	0.13	4.00	1,584	0.30	119
Oakland Park STP	VA0086789	King George	Rappahannock	0.14	4.00	1,706	0.30	128
Tappahannock WWTP	VA0071471	Essex	Rappahannock	0.80	4.00	9,746	0.30	731
Urbanna WWTP	VA0026263	Middlesex	Rappahannock	0.10	4.00	1,218	0.30	91
US Army -Ft. A.P. Hill WWTP	VA0032034	Caroline	Rappahannock	0.53	4.00	6,457	0.30	484
Warsaw STP	VA0026891	Richmond	Rappahannock	0.30	4.00	3,655	0.30	274
Omega Protein (6)	VA0003867	Northumberland	Rappahannock	3.21	4.00	21,213	0.30	1,591
Reedville S.D. WWTP	VA0060712	Northumberland	Rappahannock	0.20	4.00	2,436	0.30	183
Kilmarnock WWTP	VA0020788	Lancaster	Rappahannock	0.50	4.00	6,091	0.30	457
25	Rappahannock Totals =			50.89		602,062		45,155

Notes:

(1) Town of Culpeper WWTP: waste load allocations (WLAs) based on a design flow capacity of 4.5 million gallons per day (MGD). If plant is not certified to operate at 4.5 MGD design flow capacity by 12/31/10, the WLAs will decrease to TN = 36,547 lbs/yr; TP = 2,741 lbs/yr, based on a design flow capacity of 3.0 MGD.

(2) Mountain Run WWTP: waste load allocations (WLAs) based on a design flow capacity of 2.5 million gallons per day (MGD). If plant is not certified to operate at 2.5 MGD design flow capacity by 12/31/10, the WLAs will decrease to TN = 18,273 lbs/yr; TP = 1,371 lbs/yr, based on a design flow capacity of 1.5 MGD.

(3) Fauquier Co. W&SA-Remington WWTP: waste load allocations (WLAs) based on a design flow capacity of 2.5 million gallons per day (MGD). If plant is not certified to operate at 2.5 MGD design flow capacity by 12/31/10, the WLAs will decrease to TN = 24,364 lbs/yr; TP = 1,827 lbs/yr, based on a design flow capacity of 2.0 MGD.

(4) Clevengers Corner STP: waste load allocations (WLAs) based on a design flow capacity of 0.9 million gallons per day (MGD). If plant is not certified to operate at 0.9 MGD design flow capacity by 12/31/10, the WLAs will decrease to TN = 7,309 lbs/yr; TP = 548 lbs/yr, based on a design flow capacity of 0.6 MGD.

(5) Haymount WWTF: waste load allocations (WLAs) based on a design flow capacity of 0.96 million gallons per day (MGD). If plant is not certified to operate at 0.96 MGD design flow capacity by 12/31/10, the WLAs will decrease to TN = 7,066 lbs/yr; TP = 530 lbs/yr, based on a design flow capacity of 0.58 MGD.

(6) Omega Protein: waste load allocations (WLAs) based on a theoretical maximum of 198 days per year of processing operations and discharge.